

FIG. 1A

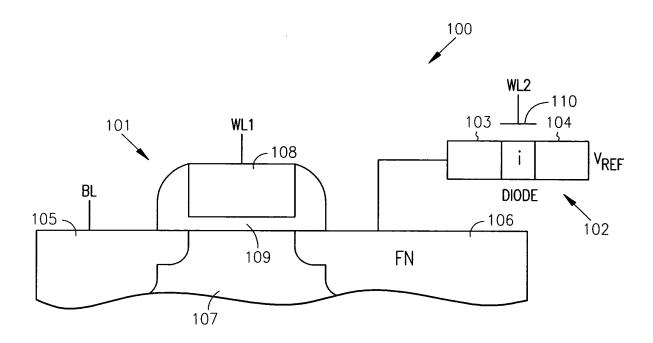


FIG. 1B

TITLE: HIGH-PERFORMANCE ONE-TRANSISTOR MEMORY CELL

INVENTORS NAME: Arup Bhattacharyya DOCKET NO.: 1303.111US1

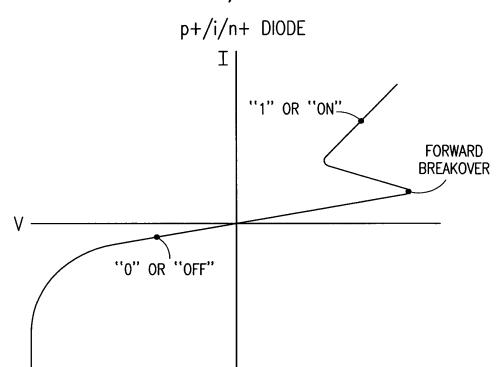


FIG. 1C

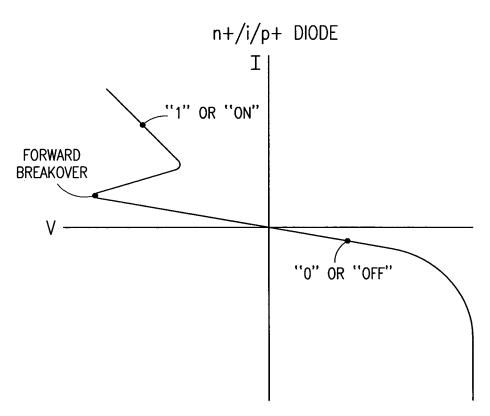
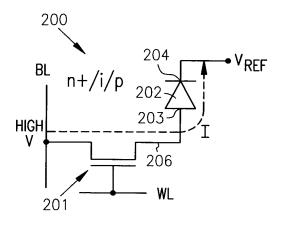


FIG. 1D

## TITLE: HIGH-PERFORMANCE ONE-TRANSISTOR MEMORY CELL INVENTORS NAME: Arup Bhattacharyya

DOCKET NO.: 1303.111US1

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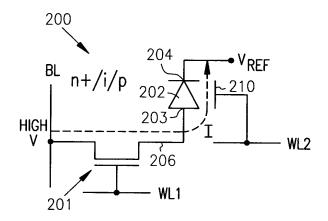
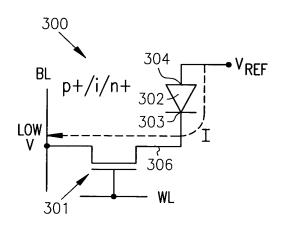


FIG. 2A

FIG. 2B



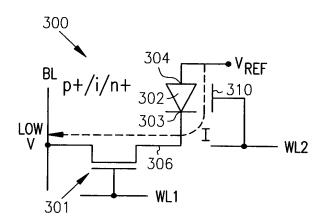
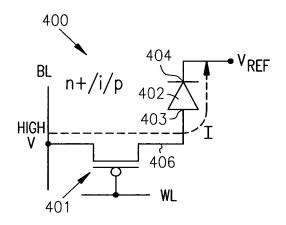


FIG. 3A

FIG. 3B

## TITLE: HIGH-PERFORMANCE ONE-TRANSISTOR MEMORY CELL

INVENTORS NAME: Arup Bhattacharyya DOCKET NO.: 1303.111US1



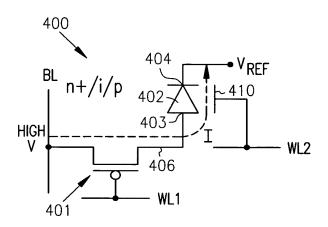
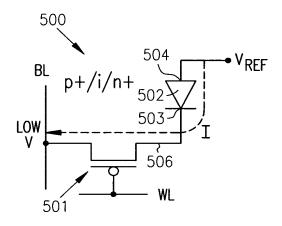


FIG. 4A

FIG. 4B



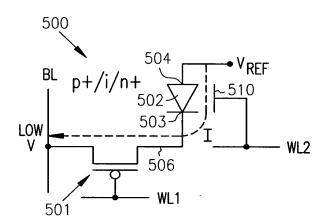


FIG. 5A

FIG. 5B

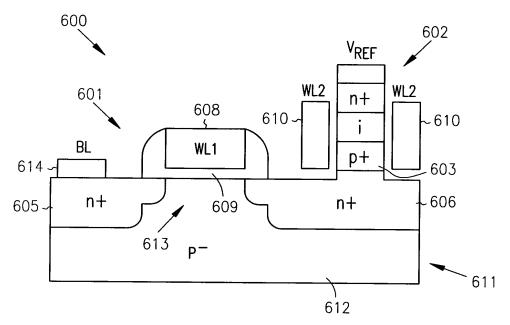


FIG. 6A

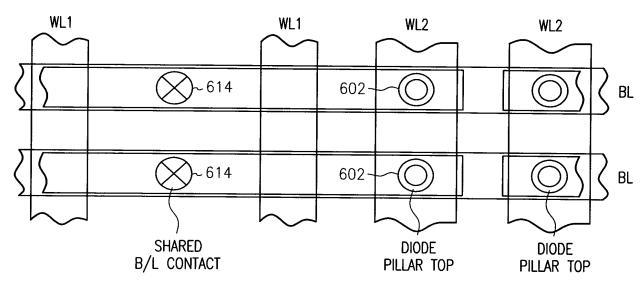


FIG. 6B

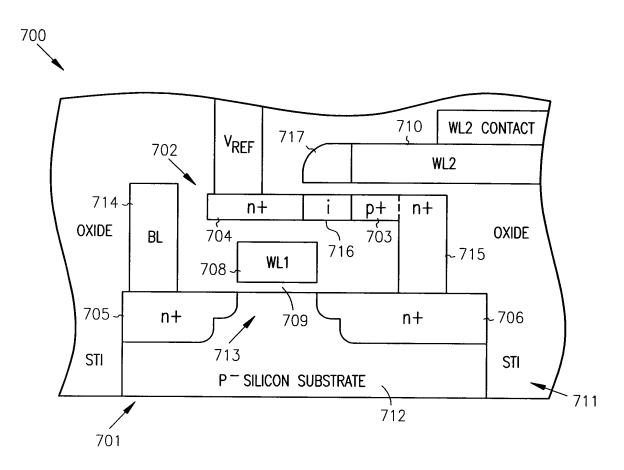
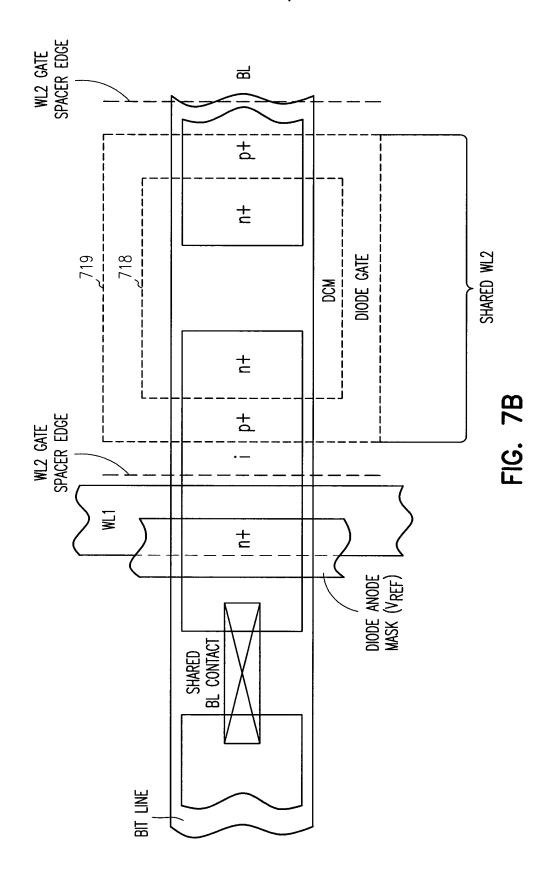
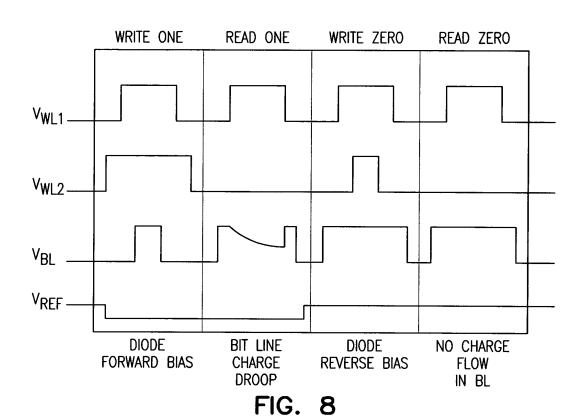
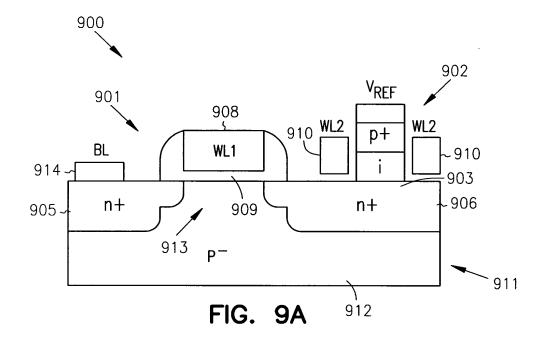


FIG. 7A







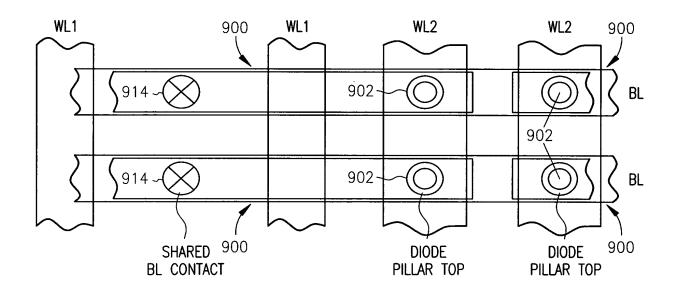
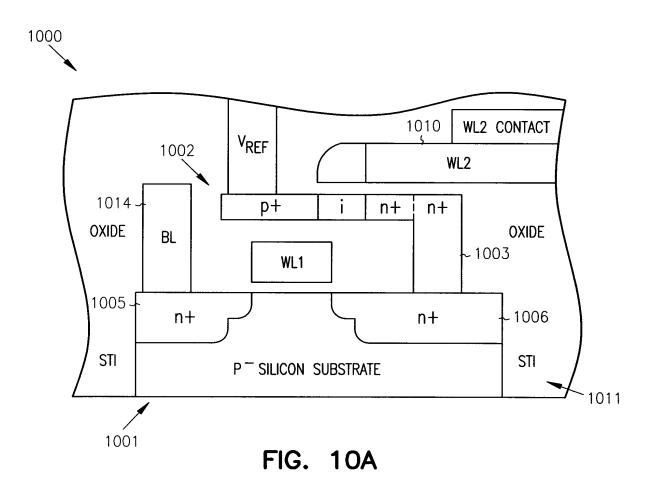
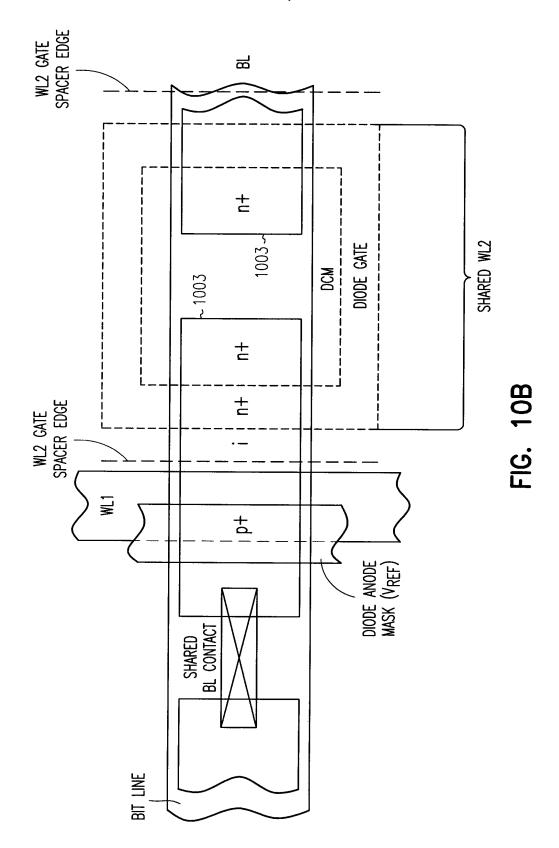


FIG. 9B





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BULK p+/i/n+

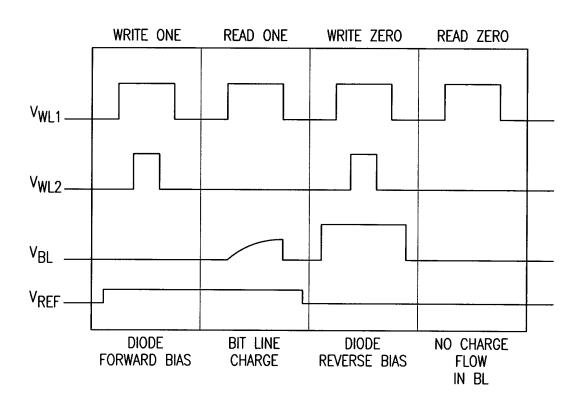


FIG. 11

TITLE: HIGH-PERFORMANCE ONE-TRANSISTOR MEMORY CELL

INVENTORS NAME: Arup Bhattacharyya DOCKET NO.: 1303.111US1

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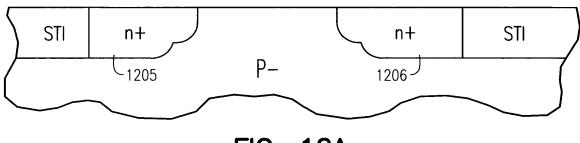


FIG. 12A

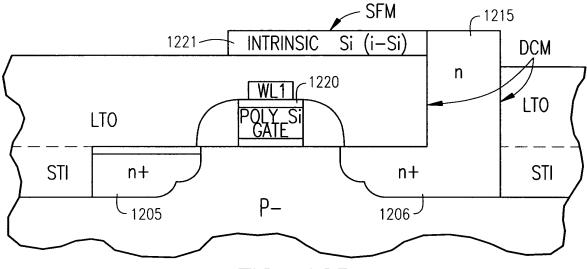


FIG. 12B

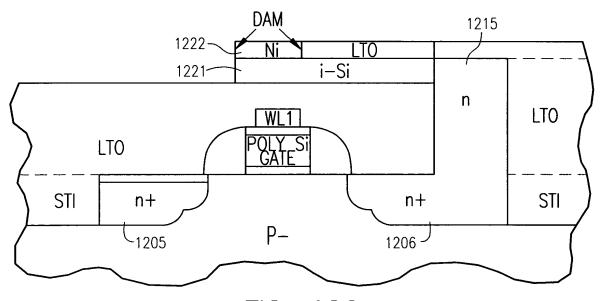


FIG. 12C

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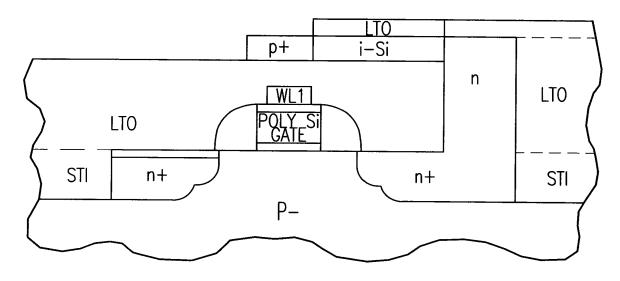


FIG. 12D

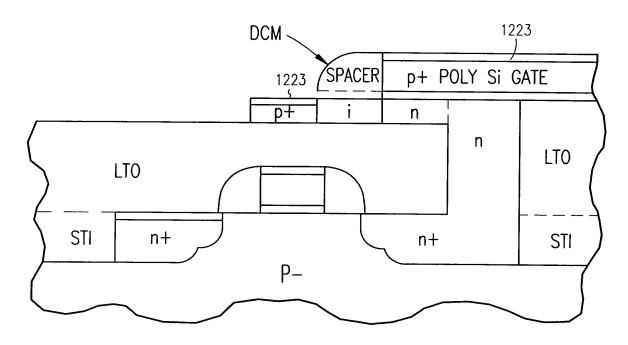


FIG. 12E

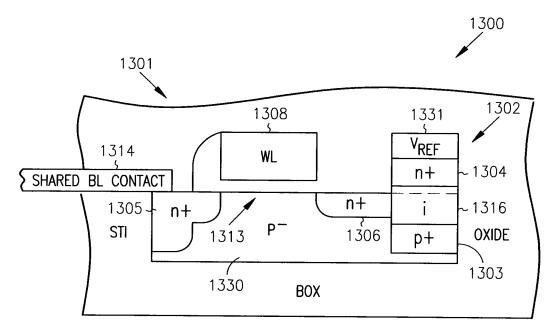
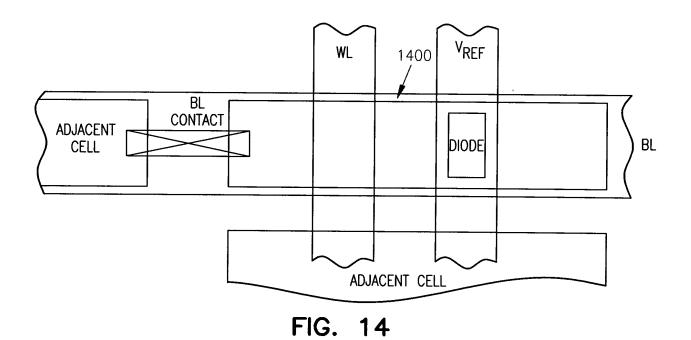


FIG. 13



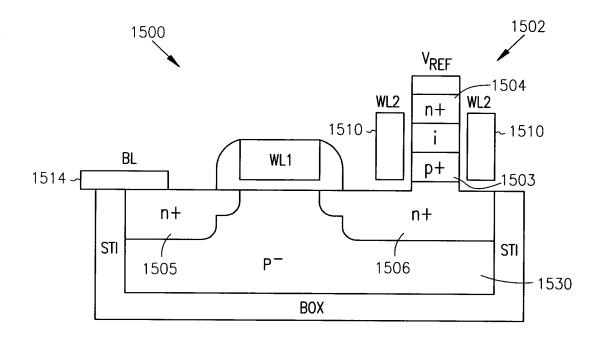


FIG. 15

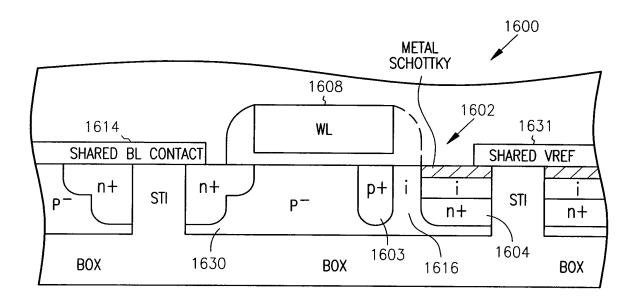
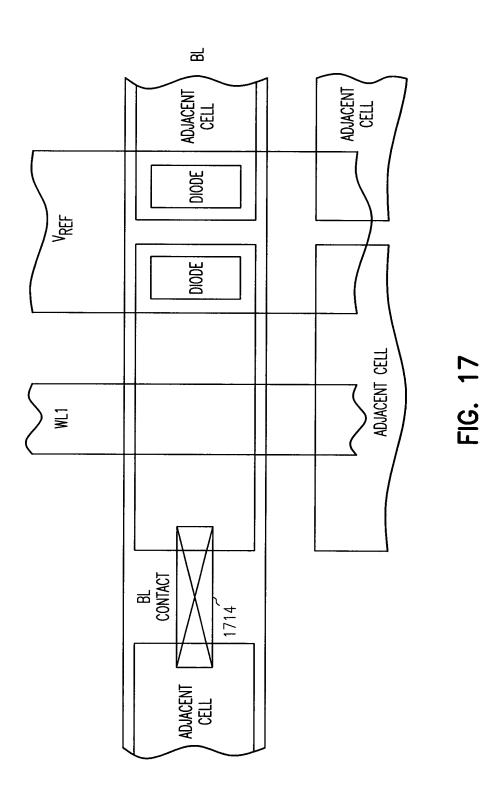


FIG. 16



TITLE: HIGH-PERFORMANCE ONE-TRANSISTOR MEMORY CELL INVENTORS NAME: Arup Bhattacharyya

DOCKET NO.: 1303.111US1

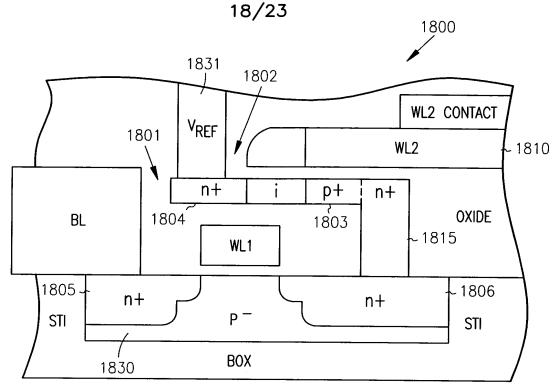
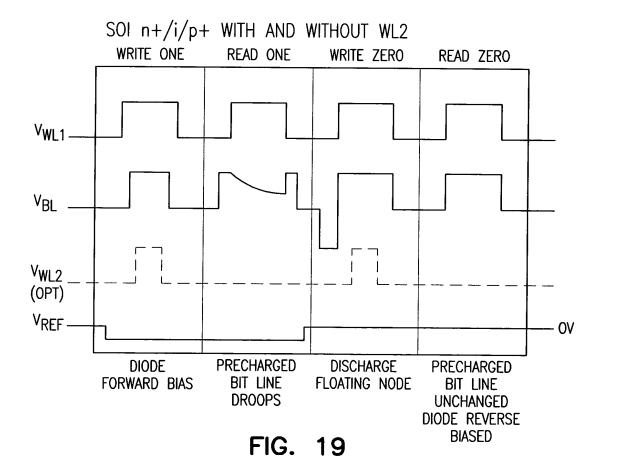


FIG. 18



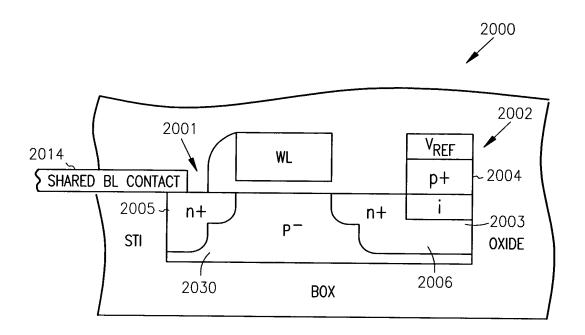


FIG. 20

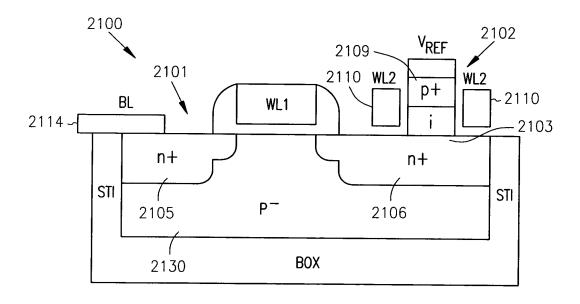


FIG. 21

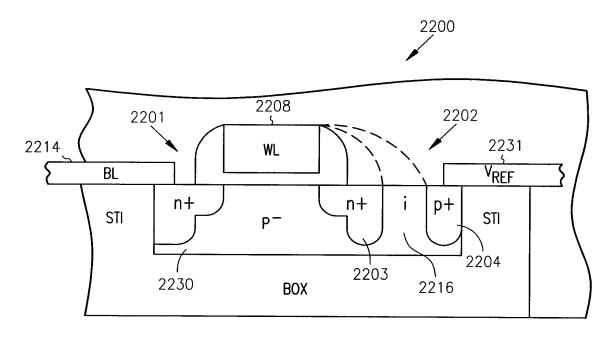


FIG. 22

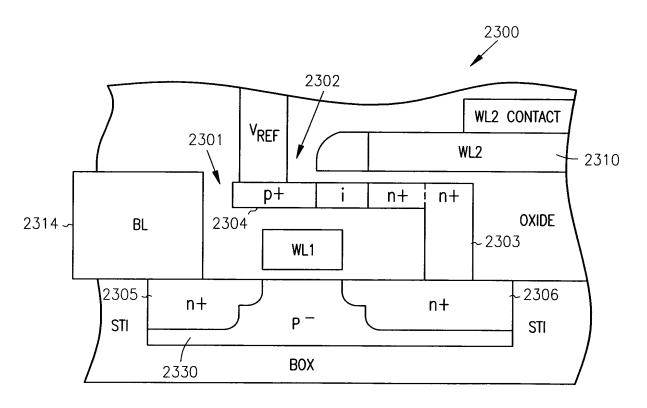


FIG. 23

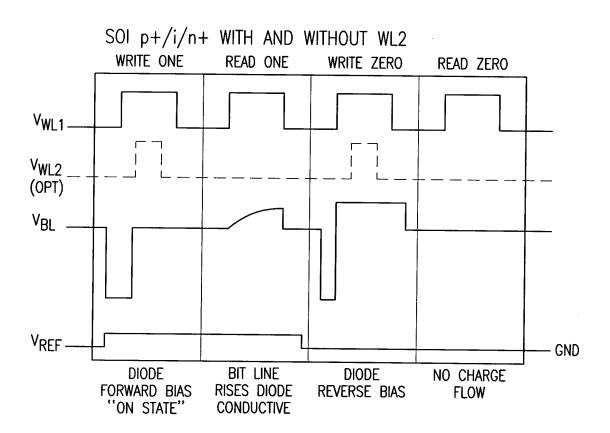


FIG. 24

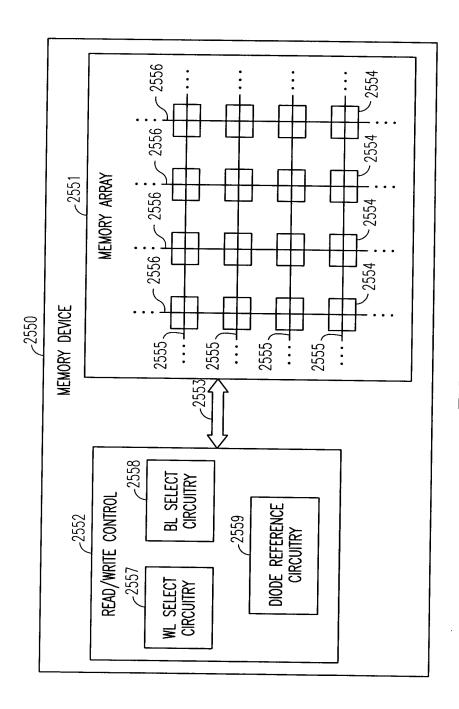


FIG. 25

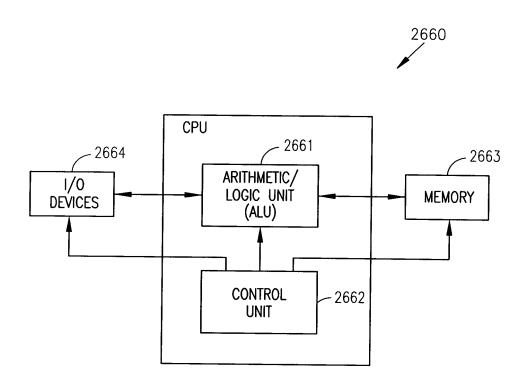


FIG. 26